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Tobas 43) Conservative
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                             Eduxe 248.5, DE 21,
Eved. Mo. 0.8e-26;
1; Mismatches 23;
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RESULT 10 AAW22506

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AAB24654 standard; Feprise; 102 AA.
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nes 3e; Conservative
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AAB24654
                                                This is an antimicrobial princin from the sumar beet plant. The encoding child declared information was deviced from active peptides which were isolated from interevilalar washing this (MMP) from sumar best plants. The peptide Sequences were used in design primars for the amplitudation of the encoding JOHA. The CPMA can be inserted into usual vectors and used to plant transformation. They may also be used to transform mey may also be used to transform microorganisms for plants in plants in the second of the plant growth is a least one other protein these antimicrobial resistance, plant growth inserting, intifundal, antibacterial and antiviral activities in the antimicrobial priving in used to control
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 23 VSVLALAVATIALIVITABOTTICER, LACTAVAMICEPPIPERAVITELERI, PETITOTIM 92
                                                                                                                                                                                                                                                                                      untimicrobial protein, sugat boet, maire, antifungil, antivital, growth promotion; bord...de resistings, fransgenic plant: IMF: Intercellular washing fluid.
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protection, especially against fungi
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                                                                                                                                                                                                                                                               Sugar beet antimicrobial protein IWF7.
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(SANC) SANDOZ PRENT GMBH.
(SANC) CANICO FPETITITION UPPW GMBH.
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The precent invention describes polynopleotides, such as complete CDNA sequences and/or intergent DNA accompassing complete genes, portions of genes, and/or intergent DNA accompassing complete genes, portions of genes, and/or intergent; begins, oblocatively referred to Arabidopsis thaliana. The SDNS are promoters, structural genes, unitaistated regions (UTRS), or 3' terminative symptomes. They can be used for expressing u gene product and controlling expression of a target type, either as a promoter, a structural gene, an UTR or as a 3' termination sequence. They are also useful as tools for genetic clustering and identification of a particular individual plant or for clustering a group pf painty with a particular individual plant or for clustering a group pf paints with a former trait. Ada78433 to AAA78630 and Aberedo to AAE20632 to Engent in the particulation described as a group pf painty and painty of them given in the protection.
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                                                                              Plant, corn, Arabidopsis thaliana; sequence-determined DNA fragment, SDE, general argument, libral gene, ITP, untranslated region; expression control.
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                             (CERE-) CERES INC.
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Sequence 4, Application US/08207904

Sequence 5, Application US/08207904

Sequence 7, Application US/08207904

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TITLE UF INVENTION: Anther Specific CONF Sequences

TITLE UF INVENTION: Anther Specific CONF Sequences

NUMBER OF SEQUENCES: 1

CORRESTURETE ADDRESS:
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PRIOR APPLICATION DATA:
ADILIANCE TO TOMBER: FITCH FF. 1947

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ATHLEBE ADELT THE PEACH THE NAME: Thaddiug J. Carris
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MEDIUM TIPE, 3.5" 1.44 Mb diskette
COMPUTER: IERM PC
CIPERATING SYSTEM WINDOWS 99
SOFTWARE: Word Processing
CURKEN! APPLICATION DATA:
APPLICATION NUMBER: US/US/S/CL, US/OA
FILING DATE: US-HOV-1996
CUASSIFICATION: 435
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AUTHORS: Leah, Robert
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AUTHORS: Olsen, Odd Arne
TITLE: Promoter of a Lipid Transfer Protein Gene
TITLE: Expressed in Barley Aleurone Cells Contains
TITLE: Similar myt and TYP Freedmitten Fites as the Maize
TITLE: Br-MCC Allele
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APPLICAMT: 01con, 03d-Arne
APPLICAMT: F1311, Proger
APPLICAMT: Linnerad, Casper from a Lipid
TITLE OF INVENTION. Prometer from a Lipid
TITLE OF INVENTION. Transfer Profein Gene
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE WORLD FOR STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE
                                                                                                                                                                                                                                                                                   MEDIUM TYPE: 3 5" 1.44 Mb diskette COMPOTER: IPM PC OPERATING SYSTEM: WINDOWS 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Segmence A, Application Holostopoon
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AUTHOPS: Lonneborg, Anders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Plant Physiol.
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CATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 117 residues
TYPE: amino acid
STRANDEDNESS: double
TOPOLCGY: linear
                                                                                                                                                                                                                                                              CCMPUTER PEADABLE FORM:
MEDIUM TYPE: 3.5" 1.4
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                                                                       ADDRESCEE
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US-08-702-609A-6
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VOLUME:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORIGINAL
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AUTHOUS: Leah, Robert
AUTHOUS: Muller Uri, Frieder
AUTHOUS: Olsen, Finn-Tok
AUTHOUS: Musey, John
TIILE: Structure and Expression of the Barley Lipid Transfer Pritein Fillor of
JOURNAL: Plant Molecular Biology
13 LUAVIZAMMVEMGOLF AATAVTONYME LVPCAGAISSSOPESSOTSKVFF---- 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6. VILMAZÁLVIMICZARÍRÁRÁVÁCNOSZVUSEVKÉÖLITVYZPAPULTTETTETTETTATAT. 65
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27.0%; Fred; No. 0.0069;
ative is, Mismatches 32; Indels Pe
                                  COMPRESSION TO MICE ADDRESS
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LENGTH: 118 amino acide
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-207 904 4
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US-08-207-904-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 19, Application US/09207904
Patent NO. 1477002
GENERAL INFORMATION:
APPLICANT: Tuttle AnnMarie
APPLICANT: Crossiand, Lyle D.
TITLE OF INVENTION Anthor/Sprittin thus deglences, Senanto
TITLE OF INVENTION - DNA Regiences and Becambinant DNA Sequences
NUMPER OF SECURATES: 21
CORRESPONDENCE ADDRESS:
ADDRESSE: CIBA-GEIGY Corporation
STREET: 7 Skyline Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Incal similarity 26 0
Matches 27; Conservative
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NAME: Lazar Steven R.

REGISTRATION NUMBER: 32,618

REFERENCE (TOWET NIMES OF TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELEPHONE: (0100041.4016
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                                     MEDITA TYPE Flaggy disk
COMPUTER: IRM DO compatible
OPERATING SYSTEM: PC-705/MS-200
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA,
APPLICATION NUMBER, U3/08/207,904
FILING DATE:
CLASSIFICATION: Roo
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STREET: VANTACENC
CITY HANTACEN
TATE: New YORK
TATE: TSA
                                                                                                                                                                                                                                                                                                                                             ZIP: 10532
COMPUTER PEADABLE FORM:
MEDIUM TYPE F1-5669
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM Floppy blick
CORENATING SYSTEM PC-DOS/MS FOS
SOFTWARE: PatentIN Release #1.0
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PRIOR APPLICATION DATA:
APPLICATION NUMBER :
FILING DATE:
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PRIOR APPLICATION DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 7 Skylir
CITY: Hawthorne
STATE: New York
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CIP. 20000-000

COMPUTER FEAGABLE FORM:

MEDIUM TYPE. FILPPY 418k

MEDIUM TYPE. FILPPY 418k

MEDIUM TYPE. IBM PC compatible

CHERAING SYSTEM. FC DOS/MS EOS

SOFTWARE, PATENTIA ECCASE #1.0, Version #1.

CHERAIN MEDIUM NUMBER. UNICA(591,498

FILING DATE: 25-JAN-1996
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                                                                                                                                                                                                                                                        APPLICATION NUMBER: GB 9317816.8 FILING DATE. 27 AUG 1993 FRIOR AFFLICATION DATA.
AFFLICATION MUMBER: G6 9116158.6 FILING DATE: 04-AUG-1993 INFORMATION FOR STG ID NO: 11: SE-UGNCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 11, Application US/08591498
Fatent No. 5774694
GENERAL INTERNATION:
AFELICANT. BECEKAERT, WILLEM F.
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APPLICANT. CAMMUE, BRUNO P.A.
AFFLICANT. REES CARAH B.
TITLE OF INVENTION. ANTIMICROBIAL PROTEINS
MUNBER OF SECURIZES: 25
CORRESSONIENCE ADRESS:
ACTRESSEE COLEMAN EARBY & CUSHMAN
ACTRESSEE INCLINENTEMAL Property Group of
ACTRESSEE. HILLIGHUE MALLER & LUTES LLP
STREET: 1100 New York Archuc, N.W.
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FILING DATE:
ATTORNET/AGENT INFORMATION:
MAME: Lacar, Stoven R.
REGISTRATION NUMBER: 32,618
REFERENCE/DOCKET NUMBER: 030 1724
TELECOMMONICATION INFORMATION:
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TELEFAX: (919)541-8689
INICEMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: PCT/GB94/01636
FILING DATE: 29-JUL-1994
PRIOR APPLICATION DATA:
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CITY: Washington
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TYPE: amino acid
TOPOLOGY: linear
TYPE: amino acid
STEANDEDNESS: sin
TOPOLOGY: linear
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95 BLOOMSHIMMAN BESTSTOR 95
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                                                                                                                                                                                                                                                                                                  LOCATION: IPENTIFICATION METHOD.
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                                                                                              POSITION IN GENOME:
CHROMCSOME/SEGMENT:
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      IMMEDIATE SOURCE:
LIBRARY:
CLONE:
                                                                                                                                                                     MAP POSITION:
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                                                                                                                                                                                                                                                                                                                                                                                                                           AUTHOFS:
TITLE:
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ISSUE:
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Best Loral Gimilarity 34.0%; Pred. No C.00084;
Matches 28, Conservative 8; Mismatches 27; Indels 18; Gaps
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COMPUTER READABLE FORM:
MEDIUM TIPE: DISKULL, 5.25 inch, 50% MD
COMPUTER: DISKULL, 5.25 inch, 50% MD
COMPUTER: DISKULL, 5.25
OPERATING SYSTEM: MS-DOS
CORRENT APPLICATION DATE:
APPLICATION HOMBER
TOTAL 752, 752
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805 Fifteenth Street, N.W., #700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIPICATION: 800
PRIOR APPLICATION: 800
PRIOR APPLICATION DATA.
ACTUAL DATE: UTBERTO 25, 1903
ACTUAL DATE: UTBERTO 110
NAME: WARRED M. Check, UTBERTON NUMBER: NAME 11111 NUMBER: 11111 NEPRATION
TELEDHONE: 202-371-8850
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       57 AGAYMAGRAACIPSPAGVSVP 77
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amino acid
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SECURNOR CHARACTERISTICS:
LENGTH. 90 8ming 401ds
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HYPTHETICAL
ANTI-SENSE:
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DEVELOPMENTAL STAGE:
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: CW18
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STREET: 805
TTTV WASHINGFOR
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6.
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URIGITAL COURCE:
URGANIEM:
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STATE: D
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Query Match
best bocal Samiarity (33.3); Fren. N. 2 7025,
Matches (7, Condervative B, Mismathher (9, Indels 19) Gips
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER REALBABLE FORM:
MEDIUM TITE: Discette, 5.25 inch, 500 kb computer real and compatible computers and compatible computers. The compatible computers and compatible computers and compatible software. Wordperfect 5.1 CURRENT AFELICATION DATA. AFELICATION DATA. AFELICATION CATA. APELICATION CATA. APELICATION CATA. APELICATION CATA. APELICATION CATA. APELICATION DATA. APELICATION DATA. APELICATION DATA. APELICATION DATA. APELICATION DATA. APELICATION NUMBER: 07/965,284 FILLING DATE: JUNGARY 25, 1993. ANTCHIRT/ACHINI LIPOPANTION.
                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
PUBLICATION DATE:
RELEVANT RESIDUES IN SEÇ ID NO:
ORGANELLE
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LENGTH O1 ATHE ACIDS
TYPE AND ATH
STRANDENESS SINGLE
TOPOLOGY Unknown
MOLECULE TYPE PETFAIR
HYPOTHETICAL: NO
ANTI-SENSE: NO
CRIGINAL SCURCE:
OCRANISM. Beta vulgaris
US-08-632-511A-2
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FILEMONIAN WORREST AND SON ATTOM STRATION WORREST LYNN

NAME MAIGHS WYNET, LYNN

PERPENDE THOMSTER INFERENTIAL

TELECOMMENT ATTOM INFERENTIAL

TELECOMMENT ATTOM INFERENTIAL

TELECOMMENT ATTOM INFERENTIAL

TELECOMMENT CHARACTERISTICS:

LENGTH CHARACTERISTICS:
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PRINT NO 6728808
GENERAL INFORMATION:
APPLICANT: Kragh, Karsten M
APPLICANT: Mikkelsen, John D
APPLICANT: Mikkelsen, Klaus K
TITLE OF INVENTION: Anti-microbial proteins
NUMBER OF SEQUENCES: 9
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Best Innal Similarity 17 1%, Prod. Mo. 0.0023;
Matches 27; Consorvative 8; Mismatches 28; Indels
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COMPUTER: IRM PO COMPOSIBLE
OPERATING SYSTEM: PC-DOSMS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/OR/637,511A
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REFERENCE TO SET NUMBER
TELECOMMINICATION INFORMATION
TELEPHONE: 202-371-8850
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COMPUTER READABLE FORM:
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ADDRESSER PARTICULARY INT
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STRANDEDNESS: sir
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Sequence A, Application Us/oscalsaca
Pubent M. 6242574
STREFAL INFORMATION:
APPLICANT Melsen, Klaus
APPLICANT Kroll Kristonsen, Anne
APPLICANT Brunstedt, Anti-Microbial Profesos
FILE REFERENCE S 137-1101,MA,A.030/PCT
CURRENT APPLICATION MUMBER (0)00/091,590A
CURRENT APPLICATION MUMBER FILE/00/00165
FRICE FILING DATE 1994-05-06
FRICE FILING DATE: 1994-15-06
FRICE FILING DATE: 1996-12-10
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; TONE: PRI
; ORGANISM: Beta vulgacis
US-09-091-590A-7
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-TEFFENT AFFL: ATH WIMMER TO A CUPRENT FILING DATE: 1999-05-06
FETCH ACELITATION NUMBER OF SEPTIME SATE: 1996-12-20
PRIOR FILING DATE: 1996-12-20
PRIOR APPLICATION NUMBER OF 9006284,2
PRIOR FILING DATE: 1995-12-21
NUMBER OF SEQ ID NOS: 35
SOFTMARE: PRIORITA VERSION 3.0
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US-09-091-590A-7
; TYPE: PRT; ORGANISM: Beta vulgaris
US-09-091-590A-8
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                                          Sequence 1, Application US/Storic SA Patent No. F242574
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APPLICANT: Nielsen, Klaus
APPLICANT: Kiull Klistensen, Anne
APPLICANT: Brunstedt, Janne
APPLICANT: Brunstedt, Janne
TITLE OF INVENTION ANTI Mirrhial Proceins
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No. 0.003; Dride: Un; Otherwally 14; Mastatules 11;
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Curly March 17 08; Score 87: DB 4: Length 91; Best Loui Cirilisity 27/29; Pred Bo 00033; Indole 12: Gaps Matches 21, Cusarfystive 14; Mismarches 31; Indole 12: Gaps
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US-09-488-200-2
Deducte 2, Application UG/00480200
Patent No. 6300103
GENERAL INFERMATION
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CRIGINAL SOURCE:
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Best bodun dimministy (1914) (1914) (1914)
Matches 20, Conservative is, Michaelikes (1), Indels (1), Gaps
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                                                  Sequence in Application US/08032511A
Patent No. $218508
SETHEMAL LIFETRANTION OF VARSEEN M
APPLICANT: Mickelben, John C
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APPLICANT: Mickelben, John C
APPLICANT: Mickelben, John C
APPLICANT: Mickelben, John C
APPLICANT: Mickelben, John C
APPLESSENT OF SEQUENCES:
ATREET: SANDOZ AGRO. INC.
ATREET: SANDOZ AGRO. INC.
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APPITCANT - Kragh, Jorn D
AFILICANT - Mikelsen, Jorn D
AFILICANT - Mielsen, Flans R
TITLE - P INVENTION - Arti-microbial proteins
CORRESPONDENCE ADDRESS:
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US-09 488-20-1

Sequence 1, Application US/0948R200

Tatent L. 6300103

SERLEMAL LIPOFMALICE.
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975 California Avenue
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MOLECULE TYPE: protein
HYPOTHETIAL: NO
ANTI-SENSE NO
CHIGINAL SOURCE:
CHANIEM.
US-08-632-511A-1
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unknown
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 975 Califo
CITY: Palo Alto
STATE: California
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P. CA94304-1104
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                                    03-03-03-0-1-511.1-1
RESULT 13
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APPLICATION

APPLICATION

FILING DATE:

ATTORNEY/AGENT INFORMATION:

MAME: MATCUS WYNES: Lynn

MAME: MATCUS WYNES: Lynn

MAME: MATCUS WYNES: 14,869

REGISTRATION MYMBER: 137 10;

TELEPHONE: 650-354-3588

INFORMATION FOR SEC ID NO: 1:

SECTEMPT CHARACTERISTICS:

LENGTH: 91 amino 401ds

TYPE: Amino 401ds

TYPE: Amino 401ds

TYPE: Amino 401ds

TYPE: Amino 401ds

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Best Local Similarity 25.6
Marches 20; Octobryative
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Patent No. 5773694
GENERAL INFORMATION:
         COUNTRY: U.S.A.

ZIF. 2005-3918

COMPUTER PEADARLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OFERATING SYSTEM: PC-FOS/MS-LOS

SOFTWARE: Parentin Pelease #1.0, Version #1.25
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CUSHMAN DARBY & CUSHMAN
ADDRESSEE: Intellectual Property Group of
ADDRESSEE: PILLSBURY MADISON & SUIPO ELP
STREET: 1100 New York Avenue, N.W.
                                                                                                                                                                                                                                                                                                                                   APPLICANT: BROÈKAERT, WILLEM F.
APPLICANT: CAMMUE, BRUNO P.A.
APPLICANT: REES, SARAH B.
TITLE OF INTENTION: ANTIMICHOBIAL ENOTEINS
NUMBER OF SEQUENCES: 25
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MEDITM TYPE FIFTY disk

COMPUTER: IBM PC compatible
OPERATING SISTEM: PC-DC-MS-FOS
SOFTMARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA.

APPLICATION NUMBER 10/01/494,250

FILING DATE:
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HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SQUECE:
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PRIOR APPLICATION DATA.
APPLICATION NUMBER.
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STATE: California
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APPLICATION NUMBER: US/08/691/498
FILLING DATE: 25-JAN-1996
CLASSIFICATION B000
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APPLICATION NUMBER: PCT/GB94/01636
FRIING DATE: 25-JAN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 9:17816.8
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APPLICATION NUMBER: US 9:17816.8
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APPLICATION NUMBER: US 9:17816.8

FILING DATE: 27-AUG 1993
INFERMATION FOR 5EG IT NO: 14:
BESTLING DATE: 04-AUG 1993
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Patent No. USU2020144307A1

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Sequence 1. Application Us/09803238

Fater No US-000150973A1

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APPLICANT. DIAGNOSIS OF ECTS WEIGHT (15,FCEP2, 1314/2015) 1815. TILLE OF 1744/201. COMPRET. APPLICATION NUMBER. 1820.046, 238
CURRENT APPLICANTON NUMBER. 1820.046, 238
FRIOR APPLICANTON NUMBER: 6/893, 630
PRIOR FILMS DATE: 1998-0-10-20
SCHIMMARE: ESSURE, for Windows Version 3.0
SCHIMMARE: ESSURE, for Windows Version 3.0
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Matches 21, Conservative 5, Mismatches D3, indels 4; Gape
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Best Local Similarity 37.5%; Pred. No. 5-9;
Matches 21; Conservative 8, Mismatches 22; Indels 4; Gaps
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Patent No. USGUCLO150973A1
GENERAL INFORMATION:
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Matches 26, Conservative 19; Mirmatches RK: Indels
TITLE OF INVENTION: MAIZE Defense-Inducible Genes and Their LITLE OF INVENTION: USE STRANGED OF INVENTION: USE STRANGED OF INVENTION: UNDER US/10/037,559
"URRENT APPLICATION UNDER US/10/037,559
"URRENT APPLICATION WREEP: D6/10/10/38
PRIOR ALD CATE OF 10/041.10
PRIOR FILMS DATE: 2000-10-24
"UMBER OF FILMS DATE: 2000-10-25
"UMBER OF FILMS TO NOTE: 10/041.10
SEQ ID NO 8
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US-09-867-550-1056
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Best Local :
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LENGTH: 259
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APPLICANT: Jaspers, Stephen R.
TITLE OF INVENTION CONNECTIVE TISSUE SHOWTH FACTOR HOWNLOGS
FILE REFERENCE: 97-76
FILE REFERENCE: 97-76
CURRENT REPLICANTON NUMBER 102(20/01),953
CURRENT FILING DATE: 2001 11-98
PRIOR APPLICATION NUMBER: FAFILER APPLICATION NUMBER: 118/09/207,316
PRIOR FILING DATE: BARLIER FILING DATE: 1099-00 19
PRIOR FILING DATE: EARLIER FILING DATE: 1099-00 19
PRIOR FILING DATE: EARLIER FILING DATE: 1-98-07 75
RUMBER OF SEQ ID NOS 34
SOFTWARPS: FAFICES FOR WINDOWS 2 0
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TYPE: PRT
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US-09-764 884 33
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Patcot No. UN20020161208A1

GENERAL INFORMATION:
APPLICANT: Essen et al.
TITLE OF INVENTION Minition Avide Proreins, and Antibodies
FILE REFERENCE, PTC03

TITLE REFERENCE, PTC03

TITLE THE INTELLATION MORE 117

OURSENT AFFILIATION 2001 01 17

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NUMBER OF SFC ID NOS: 38
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LENGTH: 353
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NAME/KEY: SITE
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ORGANISM. Homo sapiens
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Fred. No. 5.1; Endels 2
8; Mismatches 40; Indels 2
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OFGANISM: Home sapiens
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US-10-115-701A-8
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Best Local Similarity 27.6%; Pied. No. 5;
Mat. New 77, Charter Fred. No. 5; Mischipher 71; Indels 24, Gaps
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                                                                                                                                                                                                                         Sequence 5, Application 49/10115701A patent No. USDougelshowski
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GENERAL INFORMATION:
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18-10-115-701A-5
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TYPE: PRT
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Query Matc.
Best Local Similarity 27.6%; Pred. No. 8.5;
Matches g./, Conservative 12, Xismatches 31, Indols very Tips
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30 KAPQLTSSELMAITRKM-----AATAATCCQLSEDKLLAGGFGAADIIIGHLCIRHEM 82
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TITLE OF INVENTION: Accombinant Human Alpharterogriffin as TITLE OF INVENTION: Accombinant Human Alpharterogriffin as TITLE OF INVENTION. An Inventional Agent File Reference: Accombinate National Agent CORRENT FILED DATE: 2001 08-27 PRIOR APPLICATION NUMBER: US 09/186,723 PRIOR APPLICATION NUMBER: US 08/186,723 PRIOR APPLICATION NUMBER: US 08/377,309 PRIOR APPLICATION NUMBER: US 08/377,309 PRIOR FILE DATE: 1998-01-24 NUMBER OF 02: 19 NOS: 16 SOFTWARE: PastSEQ for Windows Version 4:0
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Local Statisarity, 27.0%; Pred No. 8.5;
Matches 27, Chiserietye 11, Missission (i. Indelt
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Facent No. USJavanishowsh
GENERAL INFORMATION
APPLICANT: MUSENIA: Robert A.
ITILE OF INVENTION: Fronthing and Diagnosing Cancers
FILE FERERNEL: wo/27/0040/03
FILE SERERENCE: wo/27/0040/03
CURRENT AFELICATION WIMPER: US/10/115,701A
CURRENT AFELICATION WIMPER: US/10/115,701A
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207 FPVNEGVSGCSSYAN-FPGFSSLVVDET - TVFFPA 241
                                                                                                    45 SSSLELGGSGG-GEVERGERIFGSVIERBESTELFYSFR 81
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PRICE APPLICATION PUMPER. 08/758,757
PRIOR FILING DAIE: 1994-04-09
PELD APPLICATION NUMBER 08/758,757
FRICE FILING DAIE: 1796-10-03
FRICE APPLICATION NUMBER: 08/737,311
PRICE FILING DATE: 1795-01-04
NUMBER OF SEQ ID NOS: 16
SOFTWARE: FASTSEQ FOI WINDOWS VERSION 4.0
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GENERAL INFORMATION

APPLICANT: MUZGITA, Robert A.

APPLICANT: MUZGITA, Robert A.

TITLE OF INVENTION: Prommbinant Alpha-Fetopyotein for

ITLE OF INVENTION: Treating and Pragneding Cuncers

FILE REFERENCE: 66727/004003

CURRENT APPLICATION NUMBER: US/10/115,701A

CURRENT FILING DATE: 2002-04-04

PRIOR FILING DATE: 2000-11-0

PRIOR FILING DATE: 1998-04-09

PRIOR FILING DATE: 1998-04-09

PRIOR FILING DATE: 1996-12-03

PRIOR FILING DATE: 1996-12-03

PRIOR FILING DATE: 1996-13-03

PRIOR FILING DATE: 1996-01-24

NUMBER OF SEQ ID NOS: 16

SOFTWARE: FASESEJ for Windows Version 4.0
                                                                                                                                                                                                                                      APPLICANT: Margita, Robert A.

ITITLE OF INVENTION: Recombinant Human Alpha-Fetoprotein as

ITITLE OF INVENTION: an Immunisuppressive Agent

FILE REFERENCE: 06707/00003

CUSREIT AFFLOATION NIMMER 183/7/144),498

CURRENT FILING DATE: 1901-08-27

PRIOR APPLICATION NUMBER: US 09/186,723

PRIOR APPLICATION NUMBER: US 09/186,723

PRIOR APPLICATION NUMBER: US 09/186,723

PRIOR APPLICATION NUMBER: US 09/27/309

PRIOR APPLICATION NUMBER: US 08/27/309

PRIOR APPLICATION NUMBER: US 08/27/309

PRIOR FILING DATE: 1995-01-24

NUMBER OF SEQ ID NOS: 16
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US-10-115-701A-7
/ Sequence 7, Application US/10115701A
/ Parent No. regentingsquest
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-115-701A-7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 7, Application US/09940308 Publication No. US20020193297A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 27.6%, Fred. No. 10;
Matches 27; Conservative 12; Mismatches 31; Indels
                                                                                                                                                                                                          SEQ ID NO 7
TYPE: PRT ORGANISM: Homo sapiens -09-940-308-7
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                                                                                                                                                             LENGTH: 393
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Perfect score:
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513
1 MEARTMICELVAV
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Gapop 10.0 ,
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222 op: William cell upd
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Query Match Brat Nocal (Matching)

Similarity 51.

49.9%, Dute CODE, DE C, NOME 50.1%, Fred No. 4.86-19; 14. Ministille De, 113-11

RECULT 1 OO2343 P491 10 First Ending Sleggans Oligences Clinia Sleggans Thate 14-73 1994 #603.00.0 Fortill 14-73 1994 #6.47 1994 C.Accession JO2343 R.Ye, Z.H.; Marner J.E. P1941 First 1995 831 1992 A.Tille School offices 1992 1993 1994 1995 1995 A.Reference Lunber C20342 MUID 194031762 FMID:8022936 A.Mocession: JO2343 A.Mocession: JO234	RESULT 1 JO2342 Lypitherical 10.0% princh Zimmia elegans C)Species:	30 96.5 18.8 118 1 \$33459 31 96 18.7 116 2 \$50753 32 95 18.7 116 2 \$50753 33 95 18.5 123 1 \$743000 34 94.5 18.4 110 2 \$107472 35 94.5 18.4 115 2 \$704972 36 94.5 18.4 117 2 \$205507 37 94 c 19 4 124 2 \$205507 38 93 s 18.2 112 2 \$205607 40 93 18.1 112 2 \$206782 41 93 18.1 115 2 \$21242 42 93 18.1 115 2 \$21242 43 93 18.1 115 2 \$102449 44 89 17.3 115 2 \$102449 45 17.3 115 2 \$104407 46 89 17.3 115 2 \$104407 47 17 17 17 17 17 17 17 17 17 17 17 17 17
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P.Theologis, A. Ecker, J.R., Genn, C.J., Federspiel, N.A., Kaul, S., White, O., Alonso, Chir, Jhurg, M.E., Genn, L., Tiway, A.B., Tenkay, A.F., Tessy, T.H.: Dewar, K., ansen, N.F., Huddes, B., Hudzer, L.
ansen, N.F., Huddes, 2000
Nature 408, 816-820, 2000
Aphure 408, 816-820, July Cunkins, J., Jehnson-Hugson, T., Phan, S., Khaykin, E., Pim, C., Aphurinis, Lanter, J.L., Cunkins, J., Jehnson-Hugson, T., Phan, S., Khaykin, E., Pim, C., C.A., Li, J.H., Li, Y., Lin, X., Liu, S.X., Ilu, Z.A., Liros, J.S.; Maifl, P.; Marriali, C.A., Li, J.H., Li, Y., Lin, X., Liu, S.X., Ilu, Z.A., Liros, J.S.; Maifl, P.; Marriali,
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P.Ohrofa-Garidov, F.M.; Menowsi, M.; Puigkomenoch, F.; Kartines-Inquierds, J.A.; Pelsony
FEBS Lett. 4.8, 153-199, 1996
A.Thitle: Characterization of a gene encoding an abscisic acid-inducible type-1 lipid transfacesion: Tu3290
A.Rocession: Tu3290
A.Rocession: Tu3290
A.Rocession: Tu3290
A.Rocession: Preliminary, translated from OB/EMBL/DDBJ
C.Specion: Prassica rapa (turnip)

C.Specion: Prassica rapa (turnip)

C.Aurassica 114378

B.Toriyama, K.; Hanaoka, K.; Okada, T.; Watanabe, M.

R.Toriyama, K.; Hanaoka, T.; Maraoka, T.; Watanabe, M.

R.Toriyama, M. S. Salaba, M. S. Salaba, M. S. Salaba, M.

R.Toriyama, M. S. Salaba, M. S. Salaba, M. S. Salaba, M. S. Salaba, M. S. Salaba, M. S. Salaba, M. Salaba, M. S. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M. Salaba, M
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A,Experimental source: anther
C,Genetics:
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AjCross-references: EMELOI6721, MID:glo41814, FIEM.AATS- (1, FIE 31)41815
AjExperimental source: Strain IR36
C.Genetics:
AjGene. Ltp-2
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(ighto 32.941,2021 #sequelize_revision 92.941,2021, http://doi.org/10.942
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C;Species: Oryza sativa (rice)
C;Date: 24-Mai 1999 #sequence_tevision 24-Mar-1999 #text_change 21 Jul-2000
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Best Local Similarity 31.9%; Pred. No. 1.46-10;
Matches 29, Conservative L1; Missutches 41, Indeis
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A,Status: preliminary; translated from GB/EMBL/DDBJ
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A,Residues: 1-86 <TOR>
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Submitted to the EMBL Data Library, January 1997

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B. Generatity 46.1%, Pred. No. 1.56-18; Best Local Similarity 46.1%, Pred. No. 1.56-18; Indels 1: Gaps Matthes 41, Concernative 18, Mightriphes 79; Indels 1: Gaps
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Best Local Similarity 44.33; Pred No. 9.8e-18;
Matches 43; Conservative 17; Mismatches 35; Indels
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Ker, M., Wu, D., Yu, G., Braser, G.M., Venter, J.T., Pavis, P.W.
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A;Bescription: Nucellar cell-specific expression of a
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A,Accession: $31457
A,Molecule type: DMA
A,Bosidues: I 100 «KAW»
A,Cross references: EMBL:X69793; NID:9683783; PID:919041
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E,C9-102(Fildwot: Ur 21 102) probable phisphilipid remoder provens.
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EMBL.X57270, MID.312042; PID:310641 A.Rosidos: R.; Potter, R.; Mielson, P.S.; Linnestad, C.; Wabischisch, Rikaller, R.; Potter, R.; Mielson, P.S.; Linnestad, C.; Wabischisch, R.; Mielson, December 1997 A.Rosidosidos: The promiser of the bariey Exp2 gene encoding an A.M. A.Reference number; 831457
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A;Molecule type: DNA
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R.Benes, V., Bothmann, S., Bothova, D., Antolyo, W., Mewer, H.W., submitted to the frittein Edgebric Full hards and the construction and the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the const
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C:Species: Arabidopsis thaliana (mouse-ear cress)
T.Date. 14 Feb 2000 #wequothe_revisit: 14 Feb 2000 #tout_change
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AyRessin-fearmore EMME VIRITE MTD 218407, FIF1:918893

ByKalla, P., Klemsdal, 615.7 Linnestad, 617 Loenneborg,

submitted to the EMME Data Library, Canadary 1991

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probable lipid transfer protein IMP1' precursor C.Speries. Bein Hulgaris (beet)
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Cysuperfamily: phospholipid transfer protein
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A,CLOSS telectores: EMBLAFGITSCT, RID GOATZOG, FIFM AAP70141 1: PID:GA40/A77
A,EXPERIMENTAL SOURCE: SCLAIN MILYANG 13
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C.Species: Ocyza sativa (rice)
C.Bate: 28-Feb-1991 #Sequence_tevision _c.Feb-1395 #fext__hunge 16.741-1000
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C; Superfamily: phospholipid transfer protein
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Query Match 20.9%; Score 107; DB 2; Length 116; Best Local Similarity 31.6%, Fred. No. 0.00016; Matches 31; Conservative 16; Mismatches 37; Indels 14; Gaps
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Вb **Q** 66 TADRETACNOTENARGIESCHARACKIAS GOGVSUP 103

Search completed: January 12, 2003, 07:06:06 Job time : 43 secs

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Probable nonspecific lighd transfer protein AFCS9 precursor (LTP).
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Eukaryota, Viridiplantae, Otroptophyta, Entryophyta, Tracheophyta;
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InterPro, IEP070529; Plant LTP.
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Into Swiss-ENJ entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Broinformatics Institute. There are no restrictions on its use by non-prolit institutions as long as its content is in no way modified and this statement is not behaved. Takeye by and for commercial entities requires a incense agreement when hitp://www.ish.sib.ch/or.commercial or send an email to license@isb.ch/.
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34.4%; Pred. No. 2.6e 10;
tive 14; Mismarches 41; Indels 4; Gaps
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                                                                                                "Bailey aleurone cell development: molecular cloning of aleurone-specific CDNAs from immature grains.";
Flant Mc1. Biol. 12:285-293(1989).
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Maila F., Porter F., Nielsen F.S., Linnestad C., Sainfeleen C.S.
Olsen O -A ;
                                                                       Jakobsen K., Klemsdar S.S., Adlen K.B., Bosnet M., Alexander D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GRAIN DEVELOPMENT.
-!- SIMILARITY: BELCHGS TO THE PLANT LTP FAMILY: B11E SUBFAMILY.
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STRATUROV. Bomi,
MEDINE-WOLZESKS; FubMed=7849757;
Kaita K., Summando K., Potter E., Mreizen F., Linner d D.,
Olsen O.-A.;
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PPOSITE: PROG439; PLANT_LTP, FALSE_HEG.
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102 AX, 10357 MW,
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EMBL, X57270; CAA40542.1; -.
EMBL, X65724; CAA40448.1; -.
LIK, 304126, 504126.
PIR, 314610; S14610.
PIP, S31457; S31457.
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Triticeae; Hordeum.
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                NCBI_TaxID-4513;
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InterProj IPRGG38512, Plant DTP
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PRINT, PROGS34, tryp alpha amyl; I
PRINT, PROGS34, tryp alpha amyl; I
SMART, GWGG499, AAL; I
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Plant 0.7.49-9911999.
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SIN LABITY. ELLOHS: I. THE FLANT LIP FAMILY.
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BDDINES-S201828, PubMed-7894511;
Pyee J., Kolattukudy P.E.;
"The gere for the major cutiquiar wax-associated protein and three
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39 53 FOTENTIAL.
54 10 FOTENTIAL.
74 114 POTENTIAL.
118 AA, 11911 MM, UILDAD7038913889 CPUG4;
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Lipid-bunding, Tiansport, Signal, Multigene family.
SIGNAL
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01-NOV-1997 (Rel. 35, Dast sequence update)
15-DEC-1998 (Rel 37, Dast annotation update)
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16; Mismatches
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InterPro, IPRO0528, Plant LTP.
InterPro, IPRO01768, Try/amyl inhbtr.
Flam, F700234, tryp alpha amyl,
PRINTS; PRO0392, tryp alpha
                                                                                                                                                                                                                                                                                                                                                                                                                                             Brassica oleracea (Cauliflower).
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MITA PPANL
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Ol-FEB-1901 (Pel 17, Created)
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In-OnT-7011 (Pel 40, Lost annotation update)
Monsperific ligid transfer grittel frotures: (LTE) (Phisphiligid
transfer protein) (PLTP) (Allergen Zea m.14)
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Eukaryoth, Vittdiplantae, Streptiphyla, Embrysphyla, Transecthyla, Spermaroghyla, Vittdiplantae, Streptiphyla, Enbrysphyla, Transecthyla, Spermaroghyla, Aldrich (Phisphyla, Townson)
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01-FEB-1991
01-FEB-1991
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Monsperific
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"Solution Structure and light Linding of a nonspecific light Lindsfer procing extractor from maize souds",

Protoin Soit 5.665-677(1996).
-I. FUNCTION FLANT HONGEDIESC LIFE-SANDER FACTEINS TRANSFOR PROSPECTIVES AS WELL AS TALASTIFIC AT AT 36 MEMBRAIES MAY FLANT A PILE IN WAX IS NOTH REFEASITION IN THE TELL WAILS OF EXPANDING A PILE IN WAX IS NOTHIN SECRETORY TISSUES.

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                                                                                                                                                                        This SWISE PROT SETLY is CALLY in prider thing, a collaborative between the Swiss Institute of Bioinformatics and the EMPLOY STATES the European Bioinformatics Institute. There are no restrictions on its use by storgistic institute in as long as its intent in it. It was modified and this statement is not resouved. Wage by and for commercial entries requires a license agreement fore the formation of the constitution of the 
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PECUL M. C. Cordanc P. Martins D. Pruk M.

PECUL M. C. Cordanc P. Martins D. Pruk M.

"Two-dimensional IH-NMP shudies of malge lipid-transfer protein.

Pogronde sporific assignment and recondary structure ".

Bur J. Blochem (200.1647-1064)1094)
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WESTING RECORD, DIEVE HERRER, Kim K.K., Suh S.W.,

Whin D H , Tee T.Y. Hwang K.Y., Kim K.K., Suh S.W.,

"High-resolution crystal arrycture of the non-specific
protein from maize seedlings.";

Structure 3-189-199/1995)
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J. Biol. Chem. 263:16849-16855(1988).
EMBL; J04176; AAA33494.1,
EMBL; M57249; AAA33494.1,
PIR; A31779; A31779.
PIR; JH0378; JH0378.
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MEDITURE BY MMR. HUNMANDERBUSTUR;
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Z23271; CAA80809.1;

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Bukaryona, Viz.diplanton, Ottogrophyla, Ekryrphyta, Trachorphyla,
Speniatophyla, Magnill.phyla, Elli, Eslii, Filles, Prancae, PACS of
Pantocoldener, Andhopoqueae, Sordhum.
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MIDITING-ACOGNAGAO, PUNMAG-7968969;
Pologo stobochavira P., Cholles O., Rader J.-C., Delkeny M.,
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043394;
01-NVT 1007 (Pol 15, Created)
01-NVT 1997 (Rol. 35, Last Sequence update)
5;-4KF-2000 (Rol. 35, Last Sequence update)
Nonspecific 11pid transfer protein 2 premissor (LTP 2)
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Lipid binding, Transport; Signal; Multidene family.
SIGNAL
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InterPro, IPR00454; Plant LIP.
InterPro, IPR004769; Try/amyl inhbtr.
Prac, Pro7074, Try/amyl inhbtr.
PRINTS; PR00284, ITF10TRNSPER.
                            Incerpto; IPROCOLL, AAI.
Interpro; IPROCOLL, Plant LTP.
Interpro; IPPOCOLL, TY/Amyl_inbtr.
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Film, FFCOLL, TY/E ITY/Amyl_inbtr.
SMART; SMOR499; AAI: I
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HSSP; P19656; 1MZM.
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Gene 148-305-308(1994)
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Spermarelyta, Magnoli, phyta, Elligelda, Frales, Parram, PASS clade,
Panicoldeae, Andropogoneae, Sorghum.
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                                                                                                                                                                                                   19.4%, Score 99.5, DB 1, Length 120,
31 (%) Pred No 0.0012;
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(431)33: (441)95;
(1-NV-1947 (Rel 35, Last sequence update)
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Nonspec.fic lipid transfer protein 1 precursor (LTP 1).
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Lipid-binding; Transport; Signal; Multigene family.
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                 PROSITE: PS00597; PLANT FTP: 1.
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PPROCAS, tryp alpha amyl; 1.
PRINTS, PROCAS, LIPIDTRNSPER.
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SMART; SM00499; AAI; 1.
PROSITE: PS00597; PLANT LTP; 1.
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HSSP, P19656, 1MZM.
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Spermatopbyta: Magnoliopbyta, endicotyledons, core endicots;
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SEQUENCE HIT AA; 11900 MW; B7533E117
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CLMMITER MY 1996) IN THE EMBL/DELBARA/DDB databases.

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W; R75/35E117A118090 CR064;
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Fiell MJ. D. 1224;
3, M.smatches 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NLTP_MALDO SIANDARD; FRI; 115 AA.
QMNSX/; USLEDO;
16-0CT-2001 (Rel. 40, Created)
16-0CT-2001 (Rel. 40, Last sequence update)
16-0CT-2001 (Rel. 40, Last annotation update)
Nonspecific libid transfer protein precursor (ITP) (Allergen Mal d 3).
MALD3.
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Eukaryota, Virdiplantue, Strept-Cipty, Erryrphyta, Truchorphyta;
Spermitchiyta, Majmillibly (1917) (1917) (1918) other culteris. Pissida-
eurosids I) Rosales, Proceepes, Maloideae, Malus.
9 TALLWOALGMONT STREAMAINING USELAN TERMEDINARY ...FF--ACCIDININ NO
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27.0%; itsl. 70.
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INTERPRO, IPROGRES, Plant LTP.
INTERPRO, IFROODING, Try/amyl inhbtr.
Ffam, PFOOL34, tryp alpha amyl 1.
PROGREZ, LIPICHENSFER.
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PROSITE, PSOUS97; FLANT LIF; 1.
Lipid Binding, Transport: Signa
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STRAIN-cv. Golden Delicions;
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Plant Mol. Biol. 26:1218:1216(1994)

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FRANTION FLANT MINISTERIES INTITUTIONS ACPOSS MEMBRANES MAI PLAY
A PRISE IN WAN OF THIS SPECIAL ON THE TELL WALLS TE EXPANITING
EDIDERMAL CELLS AND CERTAIN SECRETORY TISSUES.

-: SIMILAPITY: BELOWGE TO THE PLANT DIP PAMILY.
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       -- AHALTHOGGVISELAPCLOTVRS-BEAVEFACTMSTET 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Nonspecific lipid-tränsfer protein precursor (LTP).
Pinus tæeda (Lobblally pine).
Eukaryota, Viridiplataed, Stleptophyta, Embryophyta, Tracheophyta,
Spermatrophyta, Orniferrogsida, Coniferales, Pinaceae, Pinus
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SUMMARIES

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Cheuk R. Chen H., Kim C.J., Meyers M.C., Hanh J., Bowser L.,
Cheuk R. Chen H., Kim C.J., Meyers M.C., Hanh J., Bowser L.,
Carribor P., Chen R. Dale J.M., Goldswitch A.D., Hayashizaki Y.,
Lishid, J., Lin G., Karlin A., Warusaka M., Nguyen M., Onedera C.S.,
Lee J.M., Lin J., Mitanda M., Narusaka M., Nguyen M., Onedera C.S.,
Pall T. T., Lin J., Mitanda M., Narusaka M., Nguyen M., Swithwirk A.,
Tang C., Torlum M., Wu H.C., Yamada K., Yandamia T., Tu G., Yu G.,
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Jiang D.X., Lee J.M., Onodera C.S., Quach H.L., Tang C., Toriumi M.,
Tamudana Y., Ta G., To G., Edwaet L., Cantini, F., Chor, H., Cherk F.,
Hayashizaki Y., Ta G., To G., Gones T., Kamiya A., Karlin-Neumann G.,
Rawai J., Kim C., Koesema E., Lam B., Lin J., Meyers M.C., Miranda M.,
Narusaka M., Nguyen M., Pan C.J., Sakurai T., Saroy M., Seki M.,
Shinn F., Journack A., Ilacy S.E., Slincaki F., Davis P.W.,
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Wang T.B., Glass A.D.M.;
Wang T.B., Glass A.D.M.;
"Clening and characterization of a lipid transfer protein
"Clening and characterization of a lipid transfer protein
in barley roots induced by potagoium deprivation.";
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albeited Time 1771; i.e. EMBL/GLOSGA-1/FTF darkhises.
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STRAIN-CV. COLLOWBIA;
MEDILINE DIDICTIP, SubMod LILBOTID;
MEDICAL DIDICTIP, SubMod LILBOTID;
MEDICAL DIDICTIP, SubMod LILBOTID;
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01-707-2001 (TEMPLre], 17, Last sequence update)
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Lipid transfer protein, putative.
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RA White This A Forer J.R., Pelm C.J. Federspiel N A., Kaulis.,

RA Sachier B., Chan A., Chao W., Chen H., Chen R.F., Chin C.W.,

RA Bachler B., Chan A., Chao W., Chen H., Chen R.F., Chin C.W.,

RA Bachler B., Chan A., Chao W., Chen H., Chen R.F., Chin C.W.,

RA Bachler B., Chin J., Chin T.W., Feng J.-P., Fulli S., Khin M. L.

RA Hunter J.L., Jenkins J., Chin T. Hisher D.F., Hagher B., Hairar L.,

RA Langin Hooper J. Lee A., Lee J., Khin E., P., Lin G. M., Len G.,

RA Langin Hooper J. Lee A., Lee J., Read M., Char C. A., Li J. H., L.P.,

RA Langin Hooper J. Lee A., Lee J., Read M., Marrialli A.,

RA Sakano H., Salrorg S.L., Schwaft J. R., Shim P., Southwick A.M.,

RA Sakano H., Salrorg S.L., Schwaft J. R., Shim P., Southwick A.M.,

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RA Wu D., Yu G., Fraser C.M., Venter J.C., Davis R.W.,

RA Mu D., Yu G., Fraser C.M., Venter J.C., Davis R.W.,

RA H., Shim B., Waller B., Shim P., Shim P., Shim P., Shim P., Walker M.,

RA Baggenee and analysis of chromosome I of the plant Atabidopsis
Equation F. Chan A., Chao Q. Chen H. Check R.F. Chin C.W.,

A. Ching M.K., Cont. L. Conwey A.E., Chinay A.F., China C.W.,

B. Ching M.K., Cont. L. Conwey A.E., Chinay A.F., Fong B., Folly C.Y.,

A. Gill J.E., And-Sanith A.D., Hans B.. Hansen N.F., Hudhes B., Huizar L.,

B. Hill J.E., And-Sanith A.D., Goldson Hopcon C., Khan S., Fissyin B.,

A. Landin-Hoper B., Lee A., Lee J.M., Lenz C.A., Li J.H. Li Y.-P.,

A. Landin-Hoper S., Lie E.A., Lee G.M., Li J.H. Li Y.-P.,

A. Landin-Hoper S., Lie E.A., Hanson M. C., Shoner B.I.,

A. Millscher J., Miranda M., Nguyen M., Nierman W.C., Shoner B.I.,

A. Sakano H., Salzerg S.L., Schwartz J.R., Shinn P., Souliwick A.M.,

A. Mull S. Charles G. L., Schwartz J.R., Shinn P., Souliwick A.M.,

A. Mull S. Charles G. L., Schwartz J.R., Shinn P., Souliwick A.M.,

A. Mull S. Charles G. L., Wiyeberg M., Wycotskaia V.S., Walker M.,

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T. Challana ".
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Matches 39, Conservative 19; Mirmathhys 22, Indels 9; Gaps
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51.JUN 2001 (TrBMBLrel. 17, Last sequence update)
51.JUN-2002 (TrBMBLrel. 21, Last annotation update)
Libid transfer protein, putative.
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EMBL; AC073515; Advants; i: -
InterPro; IPR003612; AAI.

Prom; PF00234; tryp alpha_amyl; 1.

SMART; SM00499; AAI; 1.
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01-MAR-2001 (Tremebrel, 16, Dast sequence undate)
01-JUN 2002 (Tremebrel, 21, Last a mondation update)
Genomic DNA, chromosome E, Pl clone MMA11
Arabidopsis thaliana (Mouse-ear cress)
Arabidopsis thaliana (Mouse-ear cress)
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Spermatopy a, Vitialiana, Francisculations, Embry, phytha, Trachorphyta,
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sest Local Similarity 37.0%; Pred No. 3.8e-15;
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Fig. 4 215-230(1997).

FINA FSS 4 215-230(1997).

INCEPPO, IPRO03612, AAI.

INCEPPO, IPRO01/68; Try/amyl inhber.

Ffam, PFO0234; tryp_alpha_amyl; 1.

SMART; SWOA449, AAI. 1.

SPECIFICE TO AAI. 1.000 MW, 415_UFAUSDAN_488 CR264.
                                     EMPL; ACOLINAR: AAGGO74.1; -.
InterPro, IPPG03G12; AAI
InterPro, IPPG01768; Try/amyl_inhbtr.
Plam; Pr00454; Lryp_albha_amyl; 1.
SMART: SMO499; AAI; 1.
SEQUENCE 102 AA; 10913 MW; 959AA4346865448 JFG74;
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Monnet F D. Dieryck W. Boutrot F., Joudrier F., Ga

"Durification, characterisation and cDNA clering of

lipid transfer protein from Triticum durum.";

Plant Sci 161 747-785/2001)

Plant Sci 161 747-785/2001)

PLANT SCI 161 747-785/2001)

REMEL AZ297769; CAC131491;

InterPro: IPP003612; AAI

InterPro: IPP003612; AAI

InterPro: IPP00366; Aldehydo_dehydr

InterPro: IPP003769; TryT b b6

InterPro: IPP003769; TryT b b6

InterPro: IPP003769; TryT b b6

InterPro: IPP003769; TryT b b6

InterPro: IPP0034; tryE alpha amyl; 1

SMART; SM00499; AAI; 1.
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Triticoum turgidyn subsp. durum 'durum whoar'
Eukaryora; Viridiplantae; Streptophyla; Bobryophyla; Trucheop
Spermarophyta; Madroliophyta; Miliopoida, Polies, Pouzeae, p
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Toriyama K., Hanacka K., Okada T., Watanabe M.;

"Molocilar oloning of a cont. Aproding a gillen extracellular protein
as a potential source of a pellon allergen in Brussica rapa.",
FEBS Lett. 424.234.238(1998)

EMBL. ARO10431; PAACEGRO 1;
Interpro, IEPR003612; Aprodica;
Interpro, IEPR003612; Try/amyl inhbbr.
Pfam; PF00234; tryp_alpha_amyl; 1.

SMART; SM00499; AAI; 1.
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[1]
LEQUENCE FROM M.A.
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MEDILIBEZIOLETIO, FLEME C.R., Felm F.J., F.
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Medicyls A., Elher C.R., Felm F.J., F.
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Medicyls A., Chan A., Chao Q., Chen H.,
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Best Escal Similarity 31.9
Mutabes 29, Computation
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Martinez-Izquierdo J.A., Deleeny M.;
"Gharasterization fe a yero entiding an Ab
lipid transfer protein from rice.";
FEBS Lett. 428:193-199:1998
EMBL; U1672; AACSOO30;;
InterPro: IPR003612; AAI
InterPro: IPR003768; Try/amyl inhbtr.
Pfam; PF00234; tryp_alpha_amy); 15
SEQUENCE 96 AA, 9606 MM, 16FEFC4DEDE33
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ELFayrra, Viriliplaciae, Erroptophyta, Erbryophyta, Tracheophyta, 2pura, phyta, Arabidopsis.
eurosids II, Brassicales: Brassicaceae, Arabidopsis.
UTEL Tawid-3702;
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Bekanyuta, Milliplaniac, Osichtiplijos, Embryophyta, Tracheophyta;
Spermirophyta, Yagneliophyta, Illispoida, Bhalos; Boaceaw;
Ehrhaicoldosu; Gryzose; Cryza.
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Garria-Garrido J.M., Montesi M.,
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STRAIN MOREX, TICOUE-WINDIIAE OTTEP OELT IAVEP;
Onen P., Poolad M.R.;
"Nucellar cell-specific expression of a lipid tranofer protein 3sn# in
barley.";
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Best Loud Shallarity (34.8), English (5), 17, 17,
Matches (3), Condervative IS, Mismarides (4), Indolo (9), Mags
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Eukaryota, Viridiplantue, Streptuphylu, Fringibyla, Tracheoghyla,
Spernatophyta, Magnolluphyla: [llingila, Puales, Fundue; Picid-we;
Triticeae, Hordeum.
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EMBL, AF039024, AAC28263.1; --
InterPro: IPR003612; AAI.
Interpro: IPR003612; AAI.
Interpro: IPR0334; Pry/Amyl inhbtr.
Pfam; PF00234; tryp alpha_amyl; 1.
SMART; SM00499; AAI:
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01-NOV-1990 (ILEMBLIC). 08, Last sequence update)
01-JUN 2002 (TEMBLIC). 21, Last annotation update)
7 kba lipid transfer protein.
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EMBL, AC012679, AA0320851.)
InterPro, IPR038612, AAI.
InterPro, IPR012616, Try/Amyl Hibbit Pfam; PF00249, Ltyp_aipia_amyl, 1.
SMART, SM04959, AAI; 1.
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39 18, Prel M. 1.46-12,
tive 11, Mismatches 18; Indels 0; Gaps
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Spennatchhyta, Magnilliphyta, tillipsila, Poales, Roamae, Pooldeae,
Triticeae, Triticum
                                                                                                                                                                                                                                                                                                                                                                                                                         of MAR-2001 (TrEMBLrel. 16, Created)
O1-MAR-2001 (TrEMBLrel. 16, Last sequence update)
51-708-2001 (TrEMBLrel. 16, Last sequence update)
Monspecific Tipid-transfer protein 2P (LTP2P) (Lipid transfer triticum acstivum (Whear)
Triticum acstivum (Whear)
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25 60
36 67
27 AA, 1141 MW, SESSENDRECTERAGE TETF4;
                                                                                                                                                                                                                                                                                                                          67 AA
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Job time : 83 secs
65 KDPALGPYITSPHAPDTILISGGAVPPC 92
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Bost Local Similarity 79 18
Marches 26, Condervativo
                                                                                                                                                                                                                                                                                                                          PRELIMINARY;
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